

**Request to Archive
With The National Centers for Environmental Information
For U.S. Geological Survey Oceanographic Time-Series Data Collection
Provided by USGS**

2016-04-06

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

Richard Signell
USGS>PCMSC
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2. Name the organization or group responsible for creating the dataset.

USGS

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

Time series datasets (2631 currently) collected by the USGS Coastal and Marine Geology Program from 1975 to the present. The data were collected to address specific research questions and were primarily collected over durations less than a year, using stationary platforms, with sensors near the sea floor. Some of the measurements span the vertical extent of the water column, but others are limited to the area less than 5 meters above the sea floor. These data have been used to study of ocean dynamics and to validate coastal ocean models.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 1975-05-08
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

2016-04-06

7. Who are the expected users of the archived data? How will the archived data be used?

Researchers, Environmental Managers, Consultants. People will likely find this data via query to find out all the temperature or current data in a specified region and time extent.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

This data has been officially published by the USGS, and has been tested with the CF compliance checker.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

Some of these datasets were submitted previously to NODC, and can be found by querying the NODC geoportal server for "**emontgomery*", which returns 41 records, (NODC 0042026, 0066008, 0067556, ...)

10. List the input datasets and ancillary information used to produce the data.

N/A

11. List web pages and other links that provide information on the data.

<http://stellwagen.er.usgs.gov/>

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. The data is CF-1.6 compliant NetCDF files.

13. Indicate the data file format(s).

1. netCDF-4

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

The files are named by USGS mooring ID, but there is nothing important in the file name. All metadata is in the CF-1.6 compliant files.

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

<http://geoport.whoi.edu/thredds/catalog/usgs/data2/emontgomery/stellwagen/CF-1.6/catalog.html>

Example dataset:

http://geoport.whoi.edu/thredds/catalog/usgs/data2/emontgomery/stellwagen/CF-1.6/ARGO_MERCHANT/catalog.html?dataset=usgs/data2/emontgomery/stellwagen/CF-1.6/ARGO_MERCHANT/1211-AA.cdf

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 5.1GB

Number of Data Files: 2361

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 1GB per Year

Data File Frequency: 30 per Year

Data Production Start: 2016-04-06

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

New data are typically collected each year as part of USGS field work, and sometimes revisions to older files need to be made.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: Woods Hole, MA
System Name: geoport.whoi.edu
System Owner: USGS
Additional Information: Linux machine

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

- 1. FTP PULL
- 2. FTP PUSH
- 3. SFTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

- 1. Advanced web services (e.g., THREDDS Catalog Service)

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

Currently we are dependent on WHOI to backup their server on tape, and they are not an archive center. Also the web services at WHOI are maintained by a sys admin and a scientist at USGS, and there has been significant periods of down time due to the non-operational nature of the operation. Having a true archive for this data combined with operational access via advanced web services through NCEI would be fantastic.

24. Are the data archived at another facility or are there plans to do so? Please explain.

The original non-CF data are available on a USGS machine here: <http://stellwagen.er.usgs.gov/>

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

I have contacted Mathew Biddle, but no agreement is in place yet.

26. Do you have a data management plan for your data?

The data management is explained here: <http://stellwagen.er.usgs.gov/>

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None

